

## Product datasheet for **SC336512**

### VRK2 (NM\_001288837) Human Untagged Clone

#### Product data:

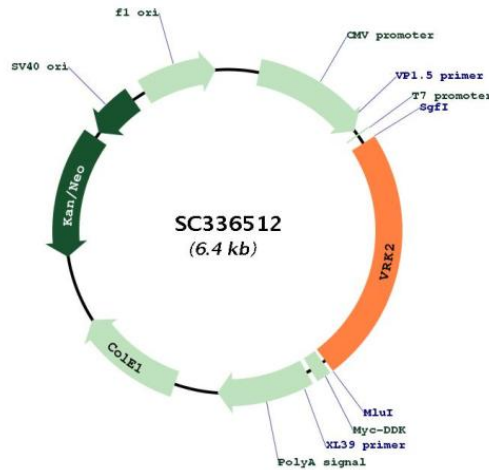
**Product Type:** Expression Plasmids  
**Product Name:** VRK2 (NM\_001288837) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** VRK2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC336512 representing NM\_001288837.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCCACCAAAAAGAAATGAAAAATACAAACTTCTATTCCATTTCCAGAAGGCAAGGTTCTGGATGAT
ATGGAAGGCAATCAGTGGTACTGGGCAAGAAGATTGGCTCTGGAGGATTTGGATTGATATATTTAGCT
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AGTTTCCACAAAAAATCAGCTATACACAATCCCAAACCTATTTTATGAGCCTCATCAAGATTTTACC
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ATCACAGACTTAGAAAAGTCAACTGGACTTTGGCCTACAATTTCCAGTTTACTCTTAGTGAAGAGACA
AACGCAGATGTTTATTATTATCGCATCATACCTGTCTTTTGGATGTTAGTATTTCTTGCTTTATTT
TTTCTCTGA
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001288837

**Insert Size:** 1527 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001288837.1](#)

**RefSeq Size:** 2499 bp

**RefSeq ORF:** 1527 bp

**Locus ID:** 7444

**UniProt ID:** [Q86Y07](#)

<b>Cytogenetics:</b>	2p16.1
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>MW:</b>	58.1 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. The encoded protein acts as an effector of signaling pathways that regulate apoptosis and tumor cell growth. Variants in this gene have been associated with schizophrenia. Alternative splicing results in multiple transcript variants that differ in their subcellular localization and biological activity. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (8) represents use of an alternate upstream promoter and differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, and 8 encode the same isoform (1, also known as VRK2A).</p>